

Some applications of the (complexified) metaplectic group to Schrödinger evolutions with non-self-adjoint operators

jeudi 27 juin 2024 11:30 (55 minutes)

We describe how to use the metaplectic group and its complexifications to follow wave packets under the Schrödinger evolution of quadratic operators. In particular, we look at applications to non-self-adjoint operators such as the Davies operator or the circle model for the hypoelliptic Laplacian.

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